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TITLE 410 INDIANA DEPARTMENT OF HEALTH

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## Final Rule

LSA Document #21-23(F)

## DIGEST

Amends [410 IAC 5.1-1-9](#), [410 IAC 5.1-1-10](#), [410 IAC 5.1-1-16](#), and [410 IAC 5.1-1-18](#) to revise definitions. Amends [410 IAC 5.1-1-22](#) through [410 IAC 5.1-1-29](#) to revise the certification and standards requirements applicable to radon testing, radon mitigation, and laboratory analysis. Amends [410 IAC 5.1-1-31](#) to revise the documents incorporated by reference as part of this rule. Repeals [410 IAC 5.1-1-3](#). Effective 30 days after filing with the Publisher.

[410 IAC 5.1-1-3](#); [410 IAC 5.1-1-9](#); [410 IAC 5.1-1-10](#); [410 IAC 5.1-1-16](#); [410 IAC 5.1-1-18](#); [410 IAC 5.1-1-22](#); [410 IAC 5.1-1-23](#); [410 IAC 5.1-1-24](#); [410 IAC 5.1-1-25](#); [410 IAC 5.1-1-26](#); [410 IAC 5.1-1-27](#); [410 IAC 5.1-1-28](#); [410 IAC 5.1-1-29](#); [410 IAC 5.1-1-31](#)

SECTION 1. [410 IAC 5.1-1-9](#) IS AMENDED TO READ AS FOLLOWS:

**[410 IAC 5.1-1-9](#) "Laboratory" defined****Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)**Affected:** [IC 16-41-38](#)

Sec. 9. As used in this rule, "laboratory" means a place equipped for experimental study in a science to manufacture, analyze, or both manufacture and analyze a passive monitor.

(Indiana Department of Health; [410 IAC 5.1-1-9](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 350; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 2. [410 IAC 5.1-1-10](#) IS AMENDED TO READ AS FOLLOWS:

**[410 IAC 5.1-1-10](#) "Living area" defined****Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)**Affected:** [IC 16-41-38](#)

Sec. 10. As used in this rule, "living area" means the lowest area in a building that could be adapted for human habitation. For example, a basement would be a living area if it could be converted to a den, playroom, **work area**, or bedroom without major structural changes.

(Indiana Department of Health; [410 IAC 5.1-1-10](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 350; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 3. [410 IAC 5.1-1-16](#) IS AMENDED TO READ AS FOLLOWS:

**[410 IAC 5.1-1-16](#) "Quality assurance plan" defined****Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)**Affected:** [IC 16-41-38](#)

Sec. 16. As used in this rule, "quality assurance ~~program~~ **plan**" means a program which includes procedures that assure data are scientifically valid and of known precision and accuracy and a system for recording and monitoring these procedures.

(Indiana Department of Health; [410 IAC 5.1-1-16](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 350; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted

SECTION 4. [410 IAC 5.1-1-18](#) IS AMENDED TO READ AS FOLLOWS:

**[410 IAC 5.1-1-18](#) "Radon laboratory" defined**

Authority: [IC 16-19-3-4](#); [IC 16-41-38-2](#)

Affected: [IC 16-41-38](#)

Sec. 18. As used in this rule, "radon laboratory" ~~tester~~ means an individual ~~who~~ **entity that** manufactures passive monitors or analyzes passive monitors for radon-222 after they have been exposed to the atmosphere. A radon laboratory tester may also place passive monitors in buildings for radon-222 testing and measure radon-222 concentrations utilizing detection instruments other than passive monitors.

(Indiana Department of Health; [410 IAC 5.1-1-18](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 350; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 5. [410 IAC 5.1-1-22](#) IS AMENDED TO READ AS FOLLOWS:

**[410 IAC 5.1-1-22](#) Certificate required; exclusion**

Authority: [IC 16-19-3-4](#); [IC 16-41-38-2](#)

Affected: [IC 16-41-35](#); [IC 16-41-38](#)

Sec. 22. (a) No person **or entity** may test, analyze, or mitigate for radon-222 in a building unless they are, or have in their employ, an individual certified to perform such services in accordance with this rule. However, a person who is testing or mitigating for radon-222 is exempt from the provisions of this rule if the person is:

- (1) performing the testing or mitigation ~~on~~ **in a building or area of land dwelling** which the person ~~owns~~ **occupies**; or
- (2) conducting research on radon-222 testing or mitigation with consent of the owner or occupant, and the owner or occupant is not charged for the testing or mitigation.

(b) Individuals certified to perform radon-222 measurement or mitigation services under this rule shall conduct such activities in accordance with [IC 16-41-35](#), [IC 16-41-38](#), this rule, and the application for certification submitted by the individual.

(c) Certification shall expire ~~on December 31 of the year following the year of issuance.~~ **two (2) years from the date of issuance.**

(Indiana Department of Health; [410 IAC 5.1-1-22](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 351; errata filed Nov 9, 1993, 9:00 a.m.: 17 IR 410; errata filed Jan 28, 2000, 7:48 a.m.: 23 IR 1401; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 6. [410 IAC 5.1-1-23](#) IS AMENDED TO READ AS FOLLOWS:

**[410 IAC 5.1-1-23](#) Certification of secondary radon testers**

Authority: [IC 16-19-3-4](#); [IC 16-41-38-2](#)

Affected: [IC 16-41-38-3](#)

Sec. 23. (a) A secondary radon tester ~~must be certified in order to place and/or retrieve, or represent or advertise that he or she can place and/or retrieve, passive monitors in a building for radon-222 testing.~~ **have both a current, active tester license from the department and a current, active measurement certification from an EPA recognized proficiency program in order to place or retrieve, or represent or advertise that the**

individual can place or retrieve, passive monitors in a building for radon-222 testing. If an individual loses or relinquishes their measurement certification through the EPA recognized proficiency program, their Indiana license will be immediately suspended, and will remain suspended until the national certification is renewed or the term of the Indiana license expires, whichever comes first.

(b) The requirements for all individuals seeking certification to test as a secondary radon tester are as follows:

(1) Submission of a sworn affidavit that the individual has read and agrees to adhere to EPA's "Indoor Radon and Radon Decay Product Measurement Device Protocols" (July 1992, EPA-402-R-92-004). **the following standards:**

**(A) For testing in residential buildings: ANSI/AARST "Protocol for Conducting Radon and Radon Decay Product Measurement in Homes" (ANSI/AARST MAH).**

**(B) For testing in multifamily buildings: ANSI/AARST "Protocol for Conducting Radon and Radon Decay Product Measurements in Multifamily Buildings" (ANSI/AARST MAMF).**

**(C) For testing in schools and large buildings: ANSI/AARST "Protocol for Conducting Radon and Radon Decay Product Measurements in Schools and Large Buildings" (ANSI/AARST MALB).**

(2) Proof of successful completion and current listing on, the EPA National Radon Measurement Proficiency Program, or an equivalent measurement proficiency program approved by the commissioner. **of a measurement training course and exam and current certification by a proficiency program recognized by the EPA.**

**(3) Submission of a quality assurance plan meeting the requirements of ANSI/AARST "Radon Measurement Systems Quality Assurance" (ANSI/AARST MS-QA).**

~~(3)~~ **(4) Submission of a complete and accurate application form prescribed by the commissioner along with a fee of one hundred dollars (\$100). An application will not be considered complete unless the required fee has been submitted.**

*(Indiana Department of Health; [410 IAC 5.1-1-23](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 351; filed Apr 16, 1996, 4:10 p.m.: 19 IR 2280; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))*

SECTION 7. [410 IAC 5.1-1-24](#) IS AMENDED TO READ AS FOLLOWS:

#### **[410 IAC 5.1-1-24](#) Certification of primary radon testers**

**Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)

**Affected:** [IC 16-41-38](#)

Sec. 24. (a) A primary radon tester must be certified in order to test for radon-222, or represent or advertise that he or she can test for radon-222, in a building. **have both a current, active tester license from the department and a current, active measurement certification from an EPA recognized proficiency program in order to test for radon-222, or represent or advertise that the individual can test for radon-222, in a building. If an individual loses or relinquishes their measurement certification through the EPA recognized proficiency program, their Indiana license will be immediately suspended, and will remain suspended until the national certification is renewed or the term of the Indiana license expires, whichever comes first.**

(b) The requirements for all individuals seeking certification to test as a primary radon tester are as follows:

(1) Submission of a sworn affidavit that the individual has read and agrees to adhere to EPA's "Indoor Radon and Radon Decay Product Measurement Device Protocols" (July 1992, EPA-402-R-92-004). **the following standards:**

**(A) For testing in residential buildings: ANSI/AARST "Protocol for Conducting Radon and Radon Decay Product Measurements in Homes" (ANSI/AARST MAH).**

**(B) For testing in multifamily buildings: ANSI/AARST "Protocol for Conducting Radon and Radon Decay Product Measurements in Multifamily Buildings" (ANSI/AARST MAMF).**

**(C) For testing in schools and large buildings: ANSI/AARST "Protocol for Conducting Radon and Radon Decay Product Measurements in Schools and Large Buildings" (ANSI/AARST MALB).**

(2) Proof of successful completion and current listing on, the EPA National Radon Measurement Proficiency Program, or an equivalent measurement proficiency program approved by the commissioner, **for the radon-222 detection instruments utilized, excluding passive monitors. of a measurement training course**

and exam and current certification by a proficiency program recognized by the EPA.

**(3) Submission of a quality assurance plan meeting the requirements of ANSI/AARST "Radon Measurement Systems Quality Assurance" (ANSI/AARST MS-QA).**

~~(3)~~ **(4)** Submission of a complete and accurate application form prescribed by the commissioner along with a fee of one hundred dollars (\$100). An application will not be considered complete unless the required fee has been submitted.

(c) If using an instant readout device for radon-222 detection, evidence that the calibration and accuracy tests recommended by the manufacturer **required by ANSI/AARST "Radon Measurement Systems Quality Assurance" (ANSI/AARST MS-QA)** are being met shall be provided to the commissioner yearly. **Primary radon tester licensees are not required to be licensed as a laboratory if they are only analyzing the results from their personal instant readout device or electret ion chamber detection devices.** If there are no manufacturer's recommended frequencies, calibration and accuracy tests shall be made in accordance with EPA's "Indoor Radon and Radon Decay Product Measurement Device Protocols" (July 1992, EPA-402-R-92-004). If frequencies for calibration and accuracy tests are not specified in the EPA's protocol for the type of equipment being utilized, calibration and accuracy tests shall be made at least once each year and in the same month each succeeding year. If repairs are indicated, such repairs must be made, and calibration tests must be conducted after the repairs are performed.

(Indiana Department of Health; [410 IAC 5.1-1-24](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 351; filed Apr 16, 1996, 4:10 p.m.: 19 IR 2280; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 8. [410 IAC 5.1-1-25](#) IS AMENDED TO READ AS FOLLOWS:

#### **[410 IAC 5.1-1-25](#) Certification of radon laboratories**

Authority: [IC 16-19-3-4](#); [IC 16-41-38-2](#)

Affected: [IC 16-41-38](#)

Sec. 25. (a) A radon laboratory tester must be certified in order to analyze or test for radon-222, or represent or advertise that he or she can analyze or test for radon-222, in a building. **have both a current, active laboratory license from the department and a current, active laboratory certification in order to manufacture monitors for radon-222, or represent or advertise that it can analyze passive monitors for radon-222, after they have been exposed to the atmosphere. If an entity loses or relinquishes its laboratory certification, its Indiana license will be immediately suspended, and will remain suspended until the national certification is renewed or the term of the Indiana license expires, whichever comes first.**

(b) If a person employs one (1) or more individuals to perform radon-222 laboratory testing, the employer shall either be certified in accordance with this section or shall employ at least one (1) individual certified in accordance with this section on a full-time basis who shall be responsible for all of the employer's radon-222 laboratory testing activities. If the employer is not a certified radon laboratory tester and the employer is no longer able to keep a certified radon laboratory tester in its employ, the employer shall do the following:

(1) Notify the commissioner of the termination of the certified radon laboratory tester by telephone within two (2) working days of the termination.

(2) Notify the commissioner of the termination of the certified radon laboratory tester in writing within ten (10) working days of the termination.

(3) Immediately cease offering services as a radon laboratory tester until such time as a new full-time individual is employed to be responsible for all the employer's radon-222 laboratory testing activities.

This section shall not relieve other employees from the requirement to become certified if they perform work as a primary or secondary tester.

**(b) The requirements for all entities seeking certification to manufacture or analyze passive radon monitors as a radon laboratory are as follows:**

**(1) Submission of a sworn affidavit that the entity has read and agrees to adhere to the following standards:**

(A) For instrumentation performance specifications: ANSI/AARST "Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air" (ANSI/AARST MS-PC).

(B) For radon measurement quality assurance: ANSI AARST "Radon Measurement Systems Quality Assurance" (ANSI/AARST MS-QA).

(2) Proof of current certification by a proficiency program recognized by the EPA.

(3) Submission of a quality assurance plan meeting the requirements of ANSI/AARST "Radon Measurement Systems Quality Assurance" (ANSI/AARST MS-QA).

(4) Submission of a complete and accurate application form prescribed by the commissioner along with a fee of one hundred dollars (\$100). An application will not be considered complete unless the required fee has been submitted.

(c) The requirements for all individuals seeking certification as a radon laboratory tester are as follows:

(1) The individual must have a bachelor's degree from an accredited university or college in the physical sciences or engineering, or in a related field approved by the commissioner, or a minimum of two (2) years full-time experience, or equivalent as determined by the commissioner, in radiation measurement.

(2) Submission of a sworn affidavit that the full-time individual referenced in subsection (b) has read and agrees to adhere to EPA's "Indoor Radon and Radon Decay Product Measurement Device Protocols" (July 1992, EPA-402-R-92-004).

(3) Proof of successful completion, and current listing on, the EPA National Radon Measurement Proficiency Program, or an equivalent measurement proficiency program approved by the commissioner, for the radon-222 detection instruments utilized, excluding passive monitors.

(4) Submission of a complete and accurate application form prescribed by the commissioner along with a fee of one hundred dollars (\$100). An application will not be considered complete unless the required fee has been submitted.

(c) Evidence that the calibration and accuracy tests required by ANSI/AARST "Radon Measurement Systems Quality Assurance" (ANSI/AARST MS-QA) are being met shall be provided to the commissioner yearly.

(d) A radon laboratory tester's **laboratory's** results of tests **passive monitors analyzed** for radon-222 shall be submitted to the commissioner annually following the procedures outlined in section 28(f) of this rule. ~~If using an instant readout device for radon-222 detection, evidence that the calibration and accuracy tests recommended by the manufacturer are being met shall be provided to the commissioner yearly. If there are no manufacturer's recommended frequencies, calibration and accuracy tests shall be made in accordance with EPA's "Indoor Radon and Radon Decay Product Measurement Device Protocols" (July 1992, EPA-402-R-92-004). If frequencies for calibration and accuracy tests are not specified in the EPA's protocol for the type of equipment being utilized, calibration and accuracy tests shall be made at least once each year and in the same month each succeeding year. If repairs are indicated, such repairs must be made, and calibration tests must be conducted after the repairs are performed.~~

(Indiana Department of Health; [410 IAC 5.1-1-25](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 352; filed Apr 16, 1996, 4:10 p.m.: 19 IR 2281; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 9. [410 IAC 5.1-1-26](#) IS AMENDED TO READ AS FOLLOWS:

#### **[410 IAC 5.1-1-26](#) Certification of radon mitigators**

**Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)

**Affected:** [IC 16-41-38](#)

Sec. 26. (a) A radon mitigator must **have both a current, active mitigator license from the department and a current, active mitigation certification from an EPA recognized proficiency program** ~~be certified before he or she~~ **the individual** can mitigate for radon-222, or represent or advertise that ~~he or she~~ **the individual** can mitigate for radon-222, in a building. **If an individual loses or relinquishes their mitigation certification through the EPA recognized proficiency program, their Indiana license will be immediately suspended, and will remain suspended until the national certification is renewed or the term of the Indiana license**



expires, whichever comes first.

(b) If a person employs one (1) or more individuals to perform radon-222 mitigation, the employer shall either be certified in accordance with this section or shall employ at least one (1) individual certified in accordance with this section on a full-time basis. The certified employer or the certified employee or employees shall be responsible for the employer's radon-222 mitigation activities. If the employer is not a certified radon mitigator and the employer is no longer able to keep a certified radon mitigator in its employ, the employer shall do the following:

- (1) Notify the commissioner of the termination of the certified radon mitigator by telephone within two (2) working days of the termination.
- (2) Notify the commissioner of the termination of the certified radon mitigator in writing within ten (10) working days of the termination.
- (3) Immediately cease offering services as a radon mitigator until such time as a new individual is employed on a full-time basis to be responsible for all the employer's radon mitigation activities.

(c) It shall be the responsibility of the certified radon mitigator to report any diagnostic testing to the building owner or its representative prior to any mitigation performed.

(d) (b) The requirements for all individuals seeking certification as a radon mitigator are as follows:

(1) Proof of successful completion, and current listing on, the most recent EPA National Radon Contractor Proficiency Program, or an equivalent proficiency program approved by the commissioner. **Submission of a sworn affidavit that the individual has read and agrees to adhere to the following standards:**

(A) For mitigation in residential buildings: ANSI/AARST "Soil Gas Mitigation Standards for Existing Homes" (ANSI/AARST SGM-SF).

(B) For mitigation in multifamily buildings: ANSI/AARST "Radon Mitigation Standards for Multifamily Buildings" (ANSI/AARST RMS-MF).

(C) For mitigation in schools and large buildings: ANSI/AARST "Radon Mitigation Standards for Schools and Large Buildings" (ANSI/AARST RMS-LB).

(D) For mitigation in the new construction of one and two-family residential buildings: ANSI/AARST "Reducing Radon in New Construction of 1 and 2 Family Dwellings and Townhouses" (ANSI/AARST CCAH) and ANSI/AARST "Rough-in of Radon Control Components in New Construction of 1 and 2 Family Residential Buildings" (ANSI/AARST RRNC).

(E) For mitigation in the new construction of commercial, educational, multifamily, and other large buildings: ANSI/AARST "Soil Gas Control Systems in New Construction and Buildings" (ANSI/AARST CC-1000).

(2) Proof of successful completion of a mitigation training course and exam and current certification by a proficiency program recognized by the EPA.

(2) (3) Submission of a complete and accurate application form prescribed by the commissioner along with a fee of one hundred dollars (\$100). An application will not be considered complete unless the required fee has been submitted.

(Indiana Department of Health; [410 IAC 5.1-1-26](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 352; filed Apr 16, 1996, 4:10 p.m.: 19 IR 2282; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 10. [410 IAC 5.1-1-27](#) IS AMENDED TO READ AS FOLLOWS:

**[410 IAC 5.1-1-27](#) License term and recertification of primary and secondary radon testers, radon laboratories, and radon mitigators**

**Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)

**Affected:** [IC 16-41-38-3](#)

Sec. 27. (a) Prior to recertification as a primary or secondary radon tester, radon laboratory, tester, or radon mitigator, the following must occur:

(1) Continuing education shall be completed within the prior two (2) years and may be obtained as follows:

(A) Continuing education must be from a course approved by the commissioner and must be at least six (6)

contact hours. Written confirmation of attendance, signed by the course instructor, or its designee, shall be submitted at the time of application for recertification.

(B) Full-time employment as a certified primary radon tester, secondary radon tester, radon laboratory tester, or radon mitigator, whichever is applicable, for the prior two (2) years, provided written confirmation of full-time employment, signed by the business owner or chief executive officer of the business which employed the individual, has been submitted along with the application for recertification.

**(1) All licenses issued by the department are valid for a period of two (2) years from the date of issuance.**

**(2) If there is a training course and exam and current certification by a proficiency program recognized by the EPA specific to the type of certification being obtained, proof of successful completion of the course is required.**

**(2) (3)** A complete and accurate application for recertification shall be submitted to the commissioner on a form prescribed by the commissioner and shall include the fee specified in section ~~23(b)(3), 23(b)(4), 24(b)(3), 24(b)(4), 25(c)(4) [25(b)(4)], or 26(d)(2)~~ **26(d)(3) [26(b)(3)]** of this rule, whichever is applicable. An application will not be considered complete unless the required fee has been submitted.

(b) Individuals shall satisfy the requirement for biennial reexamination of primary radon testers, secondary radon testers, radon laboratory testers **laboratories**, and radon mitigators established in [IC 16-41-38-3](#) if they comply with section ~~23(b)(2), 24(b)(2), 25(c)(3), or 26(d)(1)~~ **23, 24, 25, or 26** of this rule, whichever is applicable.

(Indiana Department of Health; [410 IAC 5.1-1-27](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 353; errata filed Nov 9, 1993, 9:00 a.m.: 17 IR 410; errata filed Jan 28, 2000, 7:48 a.m.: 23 IR 1401; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 11. [410 IAC 5.1-1-28](#) IS AMENDED TO READ AS FOLLOWS:

#### **[410 IAC 5.1-1-28](#) Certification standards; passive monitors; records; reporting**

**Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)

**Affected:** [IC 16-41-38](#)

Sec. 28. (a) No individual **or entity** required to be certified in accordance with this rule may advertise a service unless the individual has previously obtained a valid certificate from the commissioner to perform that service.

(b) Radon-222 mitigation activities shall be conducted in accordance with mitigation protocols set forth in the EPA National Radon Contractor Proficiency Program (Interim Radon Mitigation Standards, December 15, 1991), and **with** the following:

(1) ~~In the case of an existing building, the individual performing mitigation shall ensure that the building is tested for radon-222 concentrations before and after any mitigation is performed. However, diagnostic testing is not required to be performed by a certified primary radon tester, secondary tester, or laboratory tester.~~

**Results of radon-222 tests shall be reported to the commissioner, on a form prescribed by the commissioner, and shall meet the requirements of subsection (f).**

~~(2) The test conducted before mitigation shall be conducted by a certified primary radon tester, a certified secondary radon tester, or a certified laboratory tester and shall be at least forty-eight (48) hours in duration.~~

~~(3) The postmitigation test shall be conducted by a certified primary radon tester, a certified secondary radon tester, or a certified laboratory tester and shall be conducted no sooner than twelve (12) hours after completion of the mitigation. If passive monitors are utilized, they may be left with the building owner or occupant to be opened, set out, collected, sealed, and forwarded to a laboratory tester or a certified primary radon tester, provided the owner or occupant is given written instructions on the proper procedure to follow to assure that representative radon-222 measurements are obtained.~~

~~(4) Results of radon-222 tests shall be reported to the commissioner on a form prescribed by the commissioner and shall meet the requirements of subsection (f).~~

~~(5) Prior to conducting any radon-222 mitigation work, the radon mitigator shall submit a written outline of the mitigation work to be performed to the building owner or its representative. Along with the outline the radon mitigator must submit a written statement about any diagnostic testing he or she has performed, including where in the building such tests were conducted and what the results were in picocuries per liter. If no diagnostic testing was performed, that must be specifically reported, in writing, to the building owner or its representative. Information on any approvals and permits which must be obtained in the locality in which the~~

~~mitigation work is to be performed also must be provided to the building owner or its representative, if applicable.~~

~~(6) Any construction undertaken to mitigate for radon-222 shall be in accordance with all applicable state and local building codes. Such construction shall be conducted or supervised by a certified radon mitigator who, at a minimum, shall be present at the start of such construction and at the conclusion of such construction.~~

~~(7) Warranty information and information on the proper method of checking and servicing of mitigation equipment installed by the radon mitigator to maintain its function shall be provided in writing to the client.~~

**(2) Any construction undertaken to mitigate for radon-222 shall be in accordance with all applicable state and local building codes. Such construction shall be conducted or supervised by a certified radon mitigator who, at a minimum, shall be present at the start of such construction and at the conclusion of such construction.**

(c) No person **or entity** may test, analyze, or mitigate radon-222 without first providing evidence that the person **or entity** is certified in accordance with this rule or that the person **or entity** has in its employ an individual certified in accordance with this rule **who is responsible for the supervision of any such activities.**

(d) Prior to conducting any radon-222 testing or mitigation, the certified individual shall give each client a copy of a notice about radon-222 testing and mitigation prepared by the department specifically for that purpose.

(e) A secondary radon tester, primary radon tester, or radon laboratory ~~tester~~ may only distribute those passive monitors which have been manufactured or prepared by a person who is certified in accordance with section 25 of this rule, or who employs at least one (1) individual ~~on a full-time basis~~ who is certified in accordance with section 25 of this rule.

(f) All certified primary radon testers and certified ~~laboratory testers~~ **laboratories** providing radon-222 services shall submit to the commissioner, on a form approved by the commissioner, the results of all radon-222 screening measurements, follow-up measurements, and ~~postmitigation~~ **post-mitigation** measurements, if known. All certified radon mitigators shall submit to the commissioner, on a form approved by the commissioner, any radon-222 mitigation conducted for each calendar year. Said reports must be submitted by January 31 for the previous calendar year. For radon-222 measurements and for any mitigation conducted, the information must, at a minimum, contain the following:

- (1) The name of the certified individual **or entity** providing the service.
- (2) The complete ~~mailing~~ **property** address of the building involved.
- (3) The county in which the building is located.
- (4) The type of radon-222 mitigation conducted, if any.
- (5) The type of measurement conducted (~~screening~~ **(initial**, follow-up, or ~~postmitigation~~ **post-mitigation)** and the results in picocuries per liter.
- (6) The date of last calibration of the detection instrument and the instrument serial number, **if applicable.**

~~(g) Within thirty (30) days after providing mitigation or postmitigation testing, the individual providing the service shall report to the owner of the building or its representative the results of all radon-222 testing conducted in picocuries per liter.~~

~~(h)~~ **(g)** Records of radon-222 tests, quality assurance ~~programs~~ **plans**, calibration measurements, and equipment repairs conducted by a certified secondary radon tester, primary radon tester, or radon laboratory ~~tester~~ shall be retained by that individual for at least three (3) years. Records of mitigation conducted by a certified radon mitigator shall be retained by that individual **or entity** for at least three (3) years.

*(Indiana Department of Health; [410 IAC 5.1-1-28](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 353; errata filed Nov 9, 1993, 9:00 a.m.: 17 IR 410; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))*

SECTION 12. [410 IAC 5.1-1-29](#) IS AMENDED TO READ AS FOLLOWS:

**[410 IAC 5.1-1-29](#) Remedies; right of entry; reciprocity**



**Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)

**Affected:** [IC 4-21.5](#); [IC 16-41-38](#)

Sec. 29. (a) The radon certification of any individual **or entity** may be denied, revoked, or suspended in accordance with [IC 4-21.5](#) if it is determined that the individual **or entity**:

(1) has engaged in unethical or unprofessional conduct of a character likely to deceive, defraud, or harm the building owner or occupant or the public, including, but not limited to:

(A) intentional placement of testing devices in areas likely to bias results; or

(B) for radon-222 mitigation, performing mitigation activities in existing buildings without prior testing;

(2) does not meet the education, training, and testing requirements for certification;

(3) does not submit annual test data as required;

(4) does not provide the client with a copy of the notice prepared by the department as required by section 28(d) of this rule; or

(5) does not comply with other applicable sections of this rule.

(b) No individual may provide applicable radon-222 testing or radon-222 mitigation services after revocation, denial, suspension, or voluntary surrender of a secondary radon tester, primary radon tester, radon laboratory, ~~tester~~, or radon mitigator certificate.

(c) No individual **or entity** whose certification for primary radon tester, secondary radon tester, radon mitigator, or radon laboratory ~~tester~~ has been suspended or revoked shall be eligible for reinstatement unless that person **or entity** establishes, to the satisfaction of the commissioner, the following:

(1) The term of suspension prescribed in the order for suspension has elapsed.

(2) The individual **or entity** has complied fully with the terms, if any, of the order for suspension or revocation.

(3) The individual **or entity** can be safely recommended to the public as ~~an individual~~ fit to be reinstated and is able to practice its radon-222 business with reasonable skill and safety.

(d) The commissioner, ~~his or her~~ **the commissioner's** agents, and ~~his or her~~ **the commissioner's** employees shall have the right to enter, at all reasonable times, in or upon any public or private property, upon presentation of appropriate credentials, to inspect any equipment or records pertaining to radon-222 testing or mitigation, to inspect radon-222 testing laboratories, or to inspect radon-222 mitigation facilities or equipment that have been, or are to be, installed.

(e) A person **or entity** accredited in another state to perform testing for, or mitigation of, radon-222 may be certified under this rule without passing an examination if:

(1) the person **or entity** pays the applicable fee;

(2) the state in which the person **or entity** is accredited maintains an accreditation program substantially similar to the certification program under this rule, as determined by the department; and

(3) the person **or entity** can document successful completion of ~~EPA's National Radon Measurement Proficiency Program or EPA's National Radon Contractor Proficiency Program, whichever is applicable to the certification desired, or successful completion of an equivalent proficiency program applicable to the certification desired, which has been approved by the commissioner.~~ **a training course and exam and current certification by a proficiency program recognized by the EPA specific to the type of certification being obtained.**

*(Indiana Department of Health; [410 IAC 5.1-1-29](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 354; errata filed Nov 9, 1993, 9:00 a.m.: 17 IR 410; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))*

SECTION 13. [410 IAC 5.1-1-31](#) IS AMENDED TO READ AS FOLLOWS:

#### **[410 IAC 5.1-1-31](#) Incorporation by reference**

**Authority:** [IC 16-19-3-4](#); [IC 16-41-38-2](#)

**Affected:** [IC 16-41-38](#)

Sec. 31. The following documents are incorporated by reference as part of this rule:

(1) EPA's "Indoor Radon and Radon Decay Product Measurement Device Protocols" (July 1992, EPA 402-R-92-004).

(2) EPA's "National Radon Contractor Proficiency Program Protocol" (Interim Radon Mitigation Standards, December 15, 1994).

Two (2) copies of these documents are located in the files of the commissioner at 1330 West Michigan Street, Indianapolis, Indiana 46206-1964. Copies may also be obtained by request, mailed to the U.S. Environmental Protection Agency, Office of Air and Radiation, Washington, D.C. 20460.

(1) ANSI/AARST MAH 2019 Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes.

(2) ANSI/AARST SGM-SF 2017 Soil Gas Mitigation Standards for Existing Homes.

(3) ANSI/AARST MAMF 2017 Protocol for Conducting Measurements of Radon and Radon Decay in Multifamily Buildings.

(4) ANSI/AARST RMS-MF 2018 Radon Mitigation Standards for Multifamily Buildings.

(5) ANSI/AARST MALB 2014 Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings.

(6) ANSI/AARST RMS-LB 2018 Radon Mitigation Standards for Schools and Large Buildings.

(7) ANSI/AARST CCAH 2020 Reducing Radon in New Construction of One and Two-Family Residential Buildings.

(8) ANSI/AARST CC-1000 2018 Soil Gas Control Systems in New Construction of Buildings.

(9) ANSI/AARST MS-PC 2015 Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air.

(10) ANSI/AARST MS-QA 2019 Radon Measurement Systems Quality Assurance.

(11) ANSI/AARST RRNC-2020 Rough-in of Radon Control Components in New Construction in One and Two-Family Residential Buildings.

Copies of these documents may be obtained through the AARST Radon Standards website at <https://standards.aarst.org/>.

(Indiana Department of Health; [410 IAC 5.1-1-31](#); filed Oct 27, 1993, 9:00 a.m.: 17 IR 356; readopted filed Jul 11, 2001, 2:23 p.m.: 24 IR 4234; readopted filed May 22, 2007, 1:44 p.m.: [20070613-IR-410070141RFA](#); readopted filed Sep 11, 2013, 3:19 p.m.: [20131009-IR-410130346RFA](#); readopted filed Nov 13, 2019, 3:14 p.m.: [20191211-IR-410190391RFA](#); filed Nov 30, 2021, 2:53 p.m.: [20211229-IR-410210023FRA](#))

SECTION 14. THE FOLLOWING ARE REPEALED: [410 IAC 5.1-1-3](#); [410 IAC 5.1-1-9](#) [sic].

LSA Document #21-23(F)

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Small Business Regulatory Coordinator: Kelly MacKinnon, Indiana State Department of Health, 2 North Meridian Street, Section 3H-99, Indianapolis, IN 46204, (317) 233-7316, [kmackinnon@isdh.in.gov](mailto:kmackinnon@isdh.in.gov)

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